Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 16 Feb 2021 until 23:59 on Wednesday 17 Feb 2021

Forecast Issued on Monday 15 Feb 2021 at 13:58

Confidence: High confidence for an unsettled week of periods of rain and strong winds, mostly from the south or southwest giving milder conditions aiding the continued thaw of snow from lower levels. Lower confidence for timings and amounts of rainfall.

Headline for Tuesday 16 Feb 2021: Quite cloudy at times and some showers possible in the afternoon, strong winds.

Mountain weather hazards on Tuesday 16 Feb 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Dull	Light rain	Light rain showers	Dull	Cloudy
Precipitation probability							
80%	80%	40%	20%	30%	40%	20%	20%

Forecast for Tuesday 16 Feb 2021

Weather: A band of rain will cross the area in the early hours giving a few hours of heavy rain, this combined with some snowmelt may give some local flooding. The rain pushes east by dawn but it will remain quite dull and cloudy for a time before some clearer spells later in the day. In the afternoon there is a risk of some heavy showers around the Yorkshire Dales but many places may miss these altogether.

Chance of cloud free mountain/hill tops above 600m: 30% lots of low cloud associated with the rain shrouding the tops at times but a few breaks developing especially in the afternoon.

Visibility: Low cloud overnight associated with the rain will be broken around 400m and above, during the morning some breaks will develop and the base will lift to around 600m however there will be patches of lower cloud for much of the day. Visibility will deteriorate to moderate or poor in showers and cloud will thicken and lower in showers again. More chance of clearance around the more northerly hills in the afternoon.

Forecast for Tuesday 16 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/32 S	24/35 S	23/34 SW	20/31 SW	21/31 SW	18/28 SW	18/28 SW	17/26 SW	16/25 SW
300	16/34 S	15/31 S	14/31 SW	13/27 SW	14/28 SW	13/27 SW	11/23 SW	10/22 SW	10/22 SW
Valley	12/30 S	14/33 S	11/26 S	11/25 SW	13/27 SW	11/24 SW	9/21 SW	9/20 SW	9/20 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-1	6/0	5/-0	4/-1	5/-0	4/-1	3/-2	3/-2	3/-2
300	6/2	7/4	7/4	7/3	7/4	6/2	5/2	5/1	4/1
Valley	8/5	9/6	8/5	8/5	9/6	8/4	6/3	6/3	6/3
Freezing Level*	1600m	1500m	1300m	1300m	1200m	1100m	1000m	1000m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level falling during the day but any remaining snow thawing helped along by the overnight rain. Still feeling cool in the strong winds, these easing later in the day.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 15 Feb 2021	7.4mm	8.2mm	8.2mm

Forecast for Wednesday 17 Feb 2021

Weather: A period of rain overnight will clear to leave a brighter day with showers, some of these will turn wintry at high ground as freezing level falls. Some sunny intervals between showers are expected.

Maximum wind: Southerly 20-25mph with gusts 35-45mph.

Chance of cloud free mountain/hill tops above 600m: 40% in the morning, increasing to 70% as rain clears but may reduce as showers move through and cloud covers the hill tops at times.

Visibility: Cloud bases likely to be around 500m in the morning as rain clears but cloud will lift and break leaving good or excellent visibility out with showers. In any showers visibility is likely to become moderate or poor for a time and cloud is likely to lower over the tops to 600m again.

Temperature: **Valleys:** Plus 5 rising to 9 Celsius.
At 600m: Plus 2-3 Celsius
Freezing level: 800-1000m